



MAGNETIC SENSORS CORPORATION  
Measuring the Rate of Progress Since 1983

## Speed Sensor for Power Generation

Variable Reluctance Speed Sensor  
Part Number: 401072-90



### Description:

- Analog Variable Reluctance
- Passive Sensor
- Generate a sine; wave output
- No external power source
- Voltage is determined by target speed and air gap.

### Applications:

- Alternators
- Batteries
- Inverter drives
- Pumps
- Control systems
- Motion controls

SENSOR SPECIFICATIONS				TEST SPECIFICATIONS	
NOM. RESISTANCE	180 OHMS $\pm$ 20%	HOUSING MATERIAL	300 SERIES S.S.	OUTPUT VOLTAGE	60 V MIN. PEAK TO PEAK AT THE FOLLOWING CONDITIONS
INDUCTANCE	85mH	OVERALL LENGTH	4.25 in	SURFACE SPEED	1000 I.P.S.
OPERATING TEMPERATURE	-100° F to 225° F	WIRE	N/A	TEST WHEEL	8 PITCH GEAR
DIELECTRIC STRENGTH	500 VDC $\pm$ 15V	MOUNTING THREAD SIZE	M16 x 1.5	AIR GAP	.005 in
POLARITY	PIN B POSITIVE WITH RESPECT TO PIN A WITH THE APPROACH OF FERROUS TARGET	CONNECTOR	Amphenol/MS Std. MS3106A-10SL-2P	LOAD RESISTANCE	100 Kohm

